

EXHIBIT 4

Alignment of A30405 (query) with SEQ ID NO 41 (reference RhD sequence)

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Query: 1  MSSKYPRSVRRCLPLWALTLEAALILLFYFFTHYDASLEDQKGLVASYQVGQDLTVMAAL 60
          MSSKYPRSVRRCLPLWALTLEAALILLFYFFTHYDASLEDQKGLVASYQVGQDLTVMAA+
Sbjct: 1  MSSKYPRSVRRCLPLWALTLEAALILLFYFFTHYDASLEDQKGLVASYQVGQDLTVMAAI 60

Query: 61  GLGFLTSNFRRHSWSSVAFNLFMLALGVQWAILLDGFLSQFPFGKVVITLFSIRLATMSA 120
          GLGFLT+FRRHSSWSSVAFNLFMLALGVQWAILLDGFLSQFP GKVVITLFSIRLATMSA
Sbjct: 61  GLGFLTSSFRRHSWSSVAFNLFMLALGVQWAILLDGFLSQFPGKVVITLFSIRLATMSA 120

Query: 121 MSVLISAGAVLGKVNLAQLVVMVLVEVTALGTLRMVISNIFNTDYHMNLRFHYVFAAYFG 180
          +SVLIS  AVLGKVNLAQLVVMVLVEVTALG LRMVISNIFNTDYHMN+ H YVFAAYFG
Sbjct: 121 LSVLISVDAVLGKVNLAQLVVMVLVEVTALGNLRMVISNIFNTDYHMNMHIIYVFAAYFG 180

Query: 181 LTVAWCLPKPLPKGTEGDNDQRATIPSLSAMLGALFLWMFWPSVNSPLLRSPIQRKNAMFN 240
          L+VAWCLPKPLP+GTED DQ ATIPSLSAMLGALFLWMFWPS NS LLRSPI+RKNA+FN
Sbjct: 181 LSVAWCLPKPLPEGTEGDQDQTATIPSLSAMLGALFLWMFWPSFNSALLRSPIERKNAVFN 240

Query: 241 TYYALAVSVVTAISGSSLAHPQKISMITYVHSAVLAGGVAVGTSCHLIPSPWLAMVLGLV 300
          TYYA+AVSVVTAISGSSLAHPQ KIS TYVHSAVLAGGVAVGTSCHLIPSPWLAMVLGLV
Sbjct: 241 TYYAVAVSVVTAISGSSLAHPQKISKITYVHSAVLAGGVAVGTSCHLIPSPWLAMVLGLV 300

Query: 301 AGLISIGGAKCLPVCCNRVLGIHHISVMHSIFSLLGLLGEITYIVLLVLHTVWNGNGMIG 360
          AGLIS+GGAK LP CCNRVLGI H S+M FSLGLLGEI YIVLLVL TV GNGMIG
Sbjct: 301 AGLISVGGAKYLPGCCNRVLGIPHSSIMGYNFSLGLLGEIYIVLLVLDTVGAGNGMIG 360

Query: 361 FQVLLSIGELSLAIVIAXXXXXXXXXXXXXKIWKAPHVAKYFDDQVFWKFPPLAVGF 417
          FQVLLSIGELSLAIVIA KIWKAPH AKYFDDQVFWKFPPLAVGF
Sbjct: 361 FQVLLSIGELSLAIVIALTSGLLTGLLLNLKIWKAPHEAKYFDDQVFWKFPPLAVGF 417
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